

# Service Manual

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**HP LaserJet 2100**

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**WARNING**

Electrical Shock Hazard

To avoid electrical shock, use  
only supplied power cords and  
connect only to properly  
grounded wall outlets.

# Conventions

This manual uses the following conventions:

The names of major printer parts and assemblies are Capitalized.

**Color** is used to emphasize items which are important to the material under discussion.

**Bold** is used for emphasis, particularly in situations where *italic* type would be confusing.

*Italic* type is used to indicate related documents or emphasis.

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**NOTE:**

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Notes contain important information set off from the text.

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**CAUTION:**

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Caution messages alert you to the possibility of damage to equipment or loss of data.

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**WARNING!**

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Warning messages alert you to the possibility of personal injury.

# **Chapter Descriptions**

## **Chapter 1: Product Information**

This chapter describes features of the printer, including locations of external and internal assemblies, and gives safety and regulatory information. Use this chapter to form a basic service approach, and to get technical assistance.

## **Chapter 2: Operating Requirements**

Chapter 2 details site requirements, including space and environmental specifics. The chapter also defines specifications for paper and other media with this printer.

## **Chapter 3: Printer Configuration**

Learn to use the control panel, perform an engine test, and reset the printer. Chapter 3 contains options for configuring the printer through service mode, and also details about installing and using the Remote Control Panel. Network and IR printing is also explained.

## **Chapter 4: Printer Maintenance**

This chapter discusses service check points, procedures for cleaning the printer, and how to use toner cartridges effectively.

## **Chapter 5: Functional Overview**

The functional overview discusses each of the printer's stages to form and develop an image. This chapter details the engine control system, the formatter system, the paper feed system, and the sequence of printer operation.

## **Chapter 6: Troubleshooting**

Use the systematic troubleshooting process to solve printing problems. This process contains a preliminary troubleshooting flowchart, with explanations of each step throughout the chapter. Explanations include a table with descriptions and recommended actions for all control panel messages, image defect samples, troubleshooting problems with media, and diagrams showing the locations of components that may be causing problems.

## **Chapter 7: Removal and Replacement**

Step-by-step procedures show how to replace field replaceable units (FRUs) in the printer.

## **Chapter 8: Parts and Diagrams**

Exploded view drawings and part number listings are included for all replaceable parts in the printer. The composite table of replaceable parts is sorted alphabetically by part name, and also sorted numerically by part number. Both tables are cross-referenced to the diagrams in the chapter.

## **Index**

The index is an alphabetical, cross-referenced listing of information found in the main body of the manual.

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